

Title (en)

Improved press for extruding non-ferrous metal section members

Title (de)

Verbesserte Presse zum Strangpressen von Profilelementen aus Nichteisenmetall

Title (fr)

Presse améliorée pour extruder des éléments à section métallique non ferreuse

Publication

EP 2000226 B1 20091021 (EN)

Application

EP 08010226 A 20080605

Priority

IT MI20071153 A 20070606

Abstract (en)

[origin: EP2000226A1] An extruding press for extruding non-ferrous metal section or profiled elements comprises an extruding punch (2) driven by hydraulic driving cylinders (3, 4), fluid-supplied by a pump controlled by at least a motor (16) having a low moment of inertia, in particular a three-phase asynchronous motor for converters. With respect to prior extruding presses for extruding non-ferrous metal section members, the inventive press provides the advantage of overcoming a conventional requirement of providing servo-valves and a related driving pump, for controlling the cylinder driving pump flow-rate or displacement. A further advantage of the inventive extruding press is that the cylinder driving pump motor is driven only as it is necessary, and is left in a rest condition as the press cylinder is in a rest condition.

IPC 8 full level

B21C 23/21 (2006.01); **B21C 31/00** (2006.01)

CPC (source: EP)

B21C 23/211 (2013.01); **B21C 31/00** (2013.01)

Citation (opposition)

Opponent : Turla S.R.L.

- EP 0039577 A1 19811111 - VMEI LENIN NIS [BG]
- US 4214464 A 19800729 - ALEXANDROV VALERY M [SU], et al
- ROCKWELL, 1997
- BALDOR, April 2007 (2007-04-01)
- PARKER, December 2000 (2000-12-01)
- VASCAT, January 2006 (2006-01-01)
- VARIABLE SPEED PUMPING, May 2004 (2004-05-01)

Cited by

EP2361700A1; US9211577B2; CN106862291A; CN102166829A; DE102011009689B4; WO2013028558A3; WO2016199055A1; JP2011177014A; DE102011009689A1

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